INFORMATION DISCLOSURE STATEMENT

Complete if known
Application Number: 10/528,603
Filing Date: September 29, 2005
First Named Inventor: Ijeoma UCHEGBU
Group Art Unit: Not Yet Assigned
Examiner Name: Not Yet Assigned
Our File No. 0380-P03604US00

SHEET 1 OF 3

UNITED STATES PATENT DOCUMENTS

EXAMINER'S INITIALS	CITE NO.	PATENT NUMBER	ISSUE DATE MM-DD-YYYY	FIRST NAMED INVENTOR
	A1			
	A2			
	A3			
	A4			

FOREIGN PATENT DOCUMENTS

EXAMINER'S INITIALS	CITE NO.	DOCUMENT NUMBER	COUNTRY OR REGION	DATE OF PUBLICATION MM-DD-YYYY	FIRST NAMED INVENTOR OR APPLICANT
	B1				
	B2				
	B3				
	B4				

OTHER PRIOR ART - NON-PATENT DOCUMENTS

EXAMINER'S INITIALS	CITE NO.	Include name of the author (in Capital Letters), title of the article (when appropriate), title of the item(book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published
PL	C1	LASCHEWSKY, A., *Molecular concepts, self-organisation and properties of polysoaps. Advances in Polymer Science,* 124: 1-86 (1995)
PL	C2	YANG, Y.J. and J. ENGBERTS, *Preparation and Stability of Polystyrene Latexes Using Polysoaps as Emulsifiers*, European Polymer Journal, 28: 881-886 (1992)
PL	C3	ANTON, P. and LASCHEWSKY, A., *Solubilization by Polysoaps.* Colloid and Polymer Science, 272: 1118-1128 (1994)

EXAMINER'S SIGNATURE		DATE CONSIDERED	12-27-07

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SHEET 2 OF 3	Our File No. 0380-P03604US00

	C4	YANG, Y.J. and ENGBERTS, J., *Fluorescence Spectroscopic Study of the Formation of Hydrophobic Microdomains in Aqueous-solutions of Poly(Alkylmethyldiallylammonium Bromides).* Recueil Des Travaux Chimiques Des Pays-Bas-Journal of the Royal Netherlands Chemical Society, 110: 384-386 (1991).
	C5	COCHIN, D., CANDAU, F., ZANA, R. and TALMON, Y., *Direct Imaging of Microstructures Formed in Aqueous-Solutions of Polyamphiphiles.* Macromolecules, 25: 4220-4223 (1992),.
	C6	BINANA-LIMBELE, W., ZANA, R., *Fluoresence Probing of Microdomains in Aqueous-Solutiosn of Polysoaps .2. Study of the Size of the Microdomains.* Macromolecuels, 23: 2731-2739 (1990).
	C7	YOSHIOKA, H., NONAKA, K., FUKUDA, K., and KAZAMA, S., *Chitosan-Derived Polymer-Surfactants and Their Micellar Properties.* Bioscience Biotechnology and Biochemistry, 59: 1901-1904 (1995).
	C8	GAUTIER, S., BOUSTTA, M., VERT, P. *Alkylated poly(L-lysine citramide) as models to investigate the ability of amphiphilic macromolecular drug carriers to physically entrap lipophilic compounds in aqueo9us media.* Journal of Controlled Release, 60: 235-247 (1999).
	C9	MIWA, A., ISHIBE, A., NAKANO M., YAMAHIRA, T., ITAI, S., JINNO, S., KAWAHARA, H., *Development of novel chitosan derivatives as micellar carriers of taxol.* Pharmaceutical Research, 15: 1844-1850 (1998).
	C10	KJONIKSEN, A.L., NYSTROM, B., IVERSEN, C., NAKKEN, T., PALMGREN, O., and TANDE, T., *Viscosity of dilute aqueous solutions of hydrophobically modified chitosan and its unmodified analogue at different concentrations of salt and surfactant concentrations.* Langmuir, 13: 4948-4952 (1997).
	C11	KJONIKSEN, A.L., IVERSEN, C., NYSTROM, B., NAKKEN, T., PALMGREN, O., *Light scattering study of semidilute aqueous systems of chitosan and hydrophobically modified chitosans.* Macromolecules, 31: 8142-8148 (1998).
	C12	UCHEGBU, I.F., SCHTZLEIN, A.G., TETLEY, L., GRAY, A.I., SLUDDEN, J., SIDIQUE, S., and MOSHA, E., *Polymeric chitosan-based vesicles for drug delivery.* Journal of Pharmacy and Pharmacology, 50: 453-458 (1998).
	C13	WANG, W., MCCONAGHY, A.M., TETLEY, L. and UCHEGBU, I.F., *Controls on polymer molecular weight may be used to control the size of palmitoyl glycol chitosan polymeric vesicles.* Langmuir, 17: 631-636 (2001).
	C14	LEE, K.Y., JO, W.H., KWON, I.C., KIM, Y.H., and JEONG, S.Y., *Physicochemical characteristics of self-aggregates of hydrophobically modified chitosans.* Langmuir, 14: 2329-2332 (1998).
	C15	LEE, K.Y., KIM, J.H., KWON, I.C., and JEONG, S.Y., *Self-aggregates of deoxycholic acid modified chitosan as a novel carrier of adriamycin.* Colloid and Polymer Science, 278: 1216-1219 (2000).
	C16	AKIYOSHI, K., DEGUCHI, S., MORIGUCHI, N., YAMAGUCHI, S. and SUNAMOTO, J., *Self-aggregates of hydrophobized polysaccharides in water, formation and characteristics of nanoparticles.* Macromolecules, 26: 3062-3068 (1993).

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	Application Number: 10/528,603
	Filing Date: September 29, 2005
	First Named Inventor: Ijeoma UCHEGBU
	Group Art Unit: Not Yet Assigned
	Examiner Name: Not Yet Assigned
SHEET 3 OF 3	Our File No. 0380-P03604US00

	C17	AKOYOSHI, K. KANG, E.C., KURUMADA, S., SUNAMOTO, J., PRINCIPI, T., and WINNIK, F.M., *Controlled association of amphiphilic polymers in water: thermosensitive nanoparticles formed by self-assembly of hydrophobically modified pullulans and poly(N-isopropylacrylamides).* Macromolecules, 33: 3244-3249 (2000).
	C18	KUMAR, G., BRISTOW, J.F., SMITH, P.J. and PAYNE, G.F., *Enzymatic gelation of the natural polymer chitosan.* Polymer, 41: 2157-2168 (2000).
	C19	WESSLEN, K.B., and WESSLEN, B., *Synthesis of amphiphilic amylose and starch derivatives.* Carbohydrate Polymers, 47: 303-311 (2002).
	C20	ZHANG, J., PELTON, R. and WAGBERG, L., *Aqueous biphase formation by mixtures of dextran and hydrophobically modified dextran.* Colloid and Polymer Science, 276: 476-482 (1998).
	C21	KASTNER, U., HOFFMANN, H., DONGES, R. and EHRLER, R., *Hydrophobically and Cationically Modified Hydroxyethyl Cellulose and Their Interactions with Surfactants.* Colloids and Surfaces a-Physicochemical and Engineering Aspects, 82: 279-297 (1994).
	C22	ROBERTS, G.A.F., and WOOD, F.A., *A study of the influence of structure on the effectiveness of chitosan as an anti-felting treatment for wool.* Journal of biotechnology, 89: 297-304 (2001).
	C23	VISWANATHAN, A., *Effect of degree of substitution of octenyl succinate starch on the emulsification activity on different oil phases.* Journal of Environmental Polymer Degradation, 7: 191-196 (1999).
	C24	KIM, Y.H., GIHM, S.H., and PARK, C.R., *Structural characteristics of size controlled self aggregates of deoxycholic acid-modified chitosan and their application as a DNA delivery carrier.* Bioconjugate Chemistry, 12: 932-938 (2001).
	C25	LAPASIN, R., DELORENZI, L., PRICL, S., and TORRIANO, G., *Flow properties of hydroxypropyl guar gum and its long-chain hydrophobic derivatives.* Carbohydrate Polymers, 28: 195-202 (1995).
	C26	WAKITA, M. and HASHIMOTO, M., *Bilayer Vesicle Formation of N-Octadecylchitosan.* Kobunshi Ronbunshu, 52: 589-593 (1995).
	C27	DOMARD, A., RINAUDO, M. and TERRASSIN, C., *New method for the quaternisation of chitosan.* International Journal of Biological Macromolecules, 8: 105-107 (1986).
	C28	UCHEGBU, I.F., SADIQ, L., ARASTOO, M., GRAY, A.I., WANG, W., WAIGH, R.D., and SCHTZLEIN, A.G., *Quarternary ammonium palmitoyl glycol chitosan- a new polysoap for drug delivery.* International Journal of Pharmaceutics, 224: 185-199 (2001).
	C29	KALYANASUNDARAM, K. and THOMAS, J.K., *Environmental effects on the vibronic band intensities in pyrene monomer fluorescence and the application to studies of micellar systems.* Journal of the American Chemical Society, 99: 2039-204 (1977).

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INFORMATION DISCLOSURE STATEMENT

SHEET 1 OF 1

Complete if known
Application Number: 10/528,603
Filing Date: March 21, 2005
First Named Inventor: Ijeoma Uchegbu, et al.
Group Art Unit: Not yet assigned
Examiner Name: Not yet assigned
Our File No. 0380-P03604US00

UNITED STATES PATENT DOCUMENTS

EXAMINER'S INITIALS	CITE NO.	PATENT NUMBER	ISSUE DATE MM-DD-YYYY	FIRST NAMED INVENTOR
PL	A1	5,300,494	04-05-1994	George L. Brode, II et al.
PL	A2	4,436,731	03-13-1984	Javier E. Maltz
	A3			
	A4			

FOREIGN PATENT DOCUMENTS

EXAMINER'S INITIALS	CITE NO.	DOCUMENT NUMBER	COUNTRY OR REGION	DATE OF PUBLICATION MM-DD-YYYY	FIRST NAMED INVENTOR OR APPLICANT
PL	B1	0 563 013 2,092,513	DE CA	29-09-1993 28-09-1993	CIBA-GEIGY AG CIBA-GEIGY AG
PL	B2	0 544 000	EP	02-06-1993	DRUG DELIVERY SYSTEM INSTITUTE, LTD
	B3				

OTHER PRIOR ART - NON-PATENT DOCUMENTS

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	C1	
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	C3	
	C4	
	C5	

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